

Amendments to the Specification:

Please replace paragraphs [0022]-[0023] with the following amended paragraph:

[0022] The servo controller 15 is also configured to, if a disc stop mode is set, reduce a current rotational velocity V1 of the spindle motor 11 to a desired rotational velocity V2 and then ~~detect~~calculate a rotational velocity reduction ratio a, b, or c of the optical disc 10 based on the reduced rotational velocity. For example, as shown in Fig. 3, in the case where the optical disc 10 is heavier in weight than a standard optical disc, the rotational velocity reduction ratio is lower because the inertia of the disc 10 is greater. If the optical disc 10 is similar in weight to a standard optical disc, the rotational velocity reduction ratio is intermediate. Where the optical disc 10 is lighter in weight than a standard optical disc, the rotational velocity reduction ratio is higher because the inertia of the disc 10 is smaller.

[0023] Therefore, if the disc stop mode is set, the servo controller 15 detects a disc rotational velocity, and ~~calculates~~ a disc rotational velocity reduction ratio, calculates a brake voltage application time with reference to the detected rotational velocity and calculated rotational velocity reduction ratio, and applies the brake voltage to the spindle motor 11 for the calculated time, as will hereinafter be described in detail.

Please replace paragraph [0026] with the following amended paragraph:

[0026] As stated previously with reference to Fig. 3, the servo controller 15 also reduces a rotational velocity of the spindle motor 11 to a desired rotational velocity and then ~~detects~~ calculates a rotational velocity reduction ratio of the optical disc 10 based on the reduced rotational velocity, in step S14. The reduction ratio is obtained by dividing the difference

Serial No. **10/762,350**

Docket No. **LT-0045**

Reply to Office Action dated October 20, 2006

between a disc rotational velocity after the reduction and a disc rotational velocity before the reduction by a period of time required for the reduction, for example, one second.